

We claim:

1. A coated article comprising:
  - a. a substrate; and
  - 5 b. a copper oxide and manganese oxide coating over the substrate, the coating having the molar ratio of copper to manganese in the range of about 0.8 to 1.2 and a blue color in transmission.
- 10 2. The coated article of claim 1 wherein the substrate is a glass substrate.
3. The coated article of claim 1 wherein a majority of the coating is cubic  $\text{Cu}_{1.4}\text{Mn}_{1.6}\text{O}_4$  spinel type-phase.
- 15 4. A coating method comprising the steps of:
  - a. providing a coating composition comprising copper oxide and manganese oxide; and
  - b. applying the coating composition onto a surface
  - 20 of a substrate to form a coating having a molar ratio of copper to manganese in the range of about 0.8 to 1.2 on the surface.
5. The method as claimed in claim 4 wherein the
- 25 substrate is heated during the practice of the applying step to pyrolyze the coating.
6. The method as claimed in claim 4 wherein a majority of the coating is cubic  $\text{Cu}_{1.4}\text{Mn}_{1.6}\text{O}_4$  having a spinel-type phase
- 30 to provide a coating having a blue color in transmission.
7. The method as claimed in claim 4 further comprising the step of providing a layer comprising  $\text{CuO}$  between the coating and the substrate to prevent bleaching of the coating
- 35 upon heating of the coated substrate.

8. The method as claimed in claim 4 wherein a chromium containing component is added to the coating composition.

9. The method as claimed in claim 4 wherein a cobalt containing component is added to the coating composition to improve acid resistance.

10. The method as claimed in claim 9 wherein the cobalt containing component is present in the coating composition in an amount greater than 50 wt% based on the weight of the total coating composition.